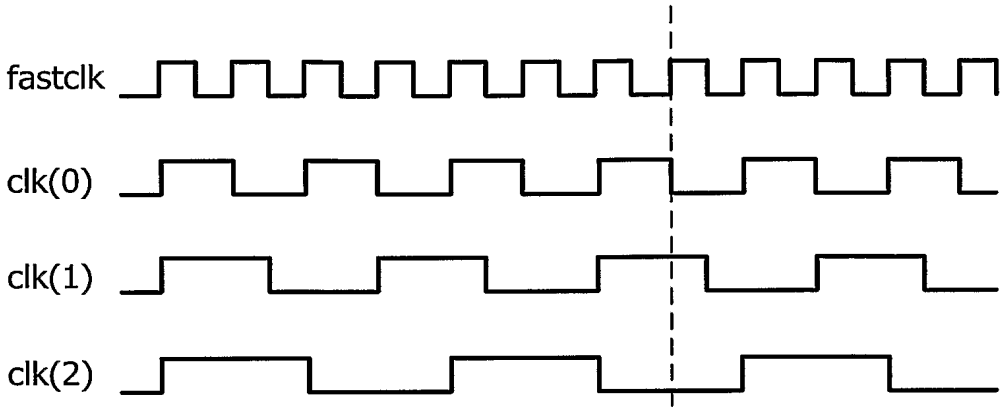
fastclk
clk(0)
clk(1)
clk(2)

FIG.1A

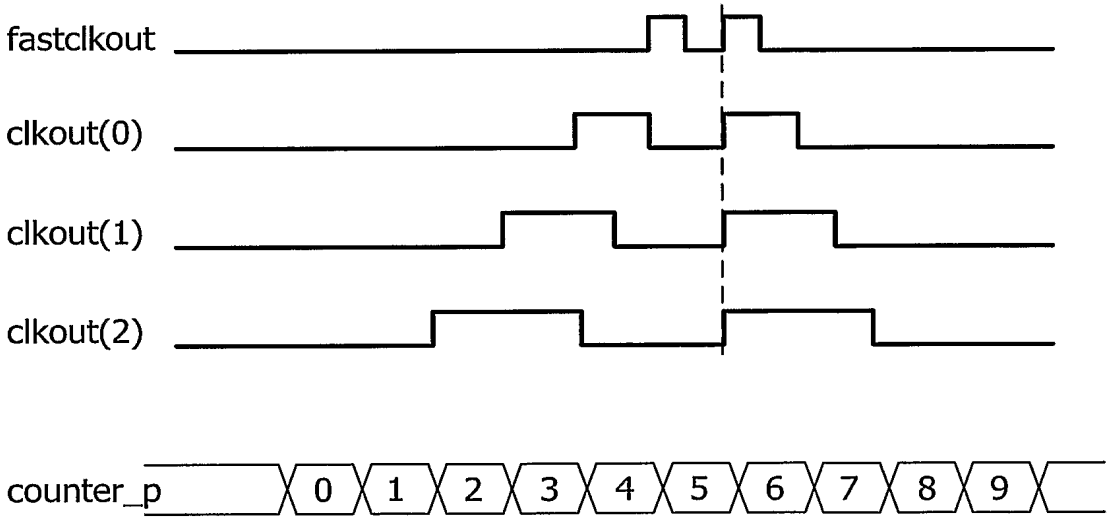
fastclkout
clkout(0)
clkout(1)
clkout(2)
counter_p
0
1
2
3
4
5
6
7
8
9

FIG.1B

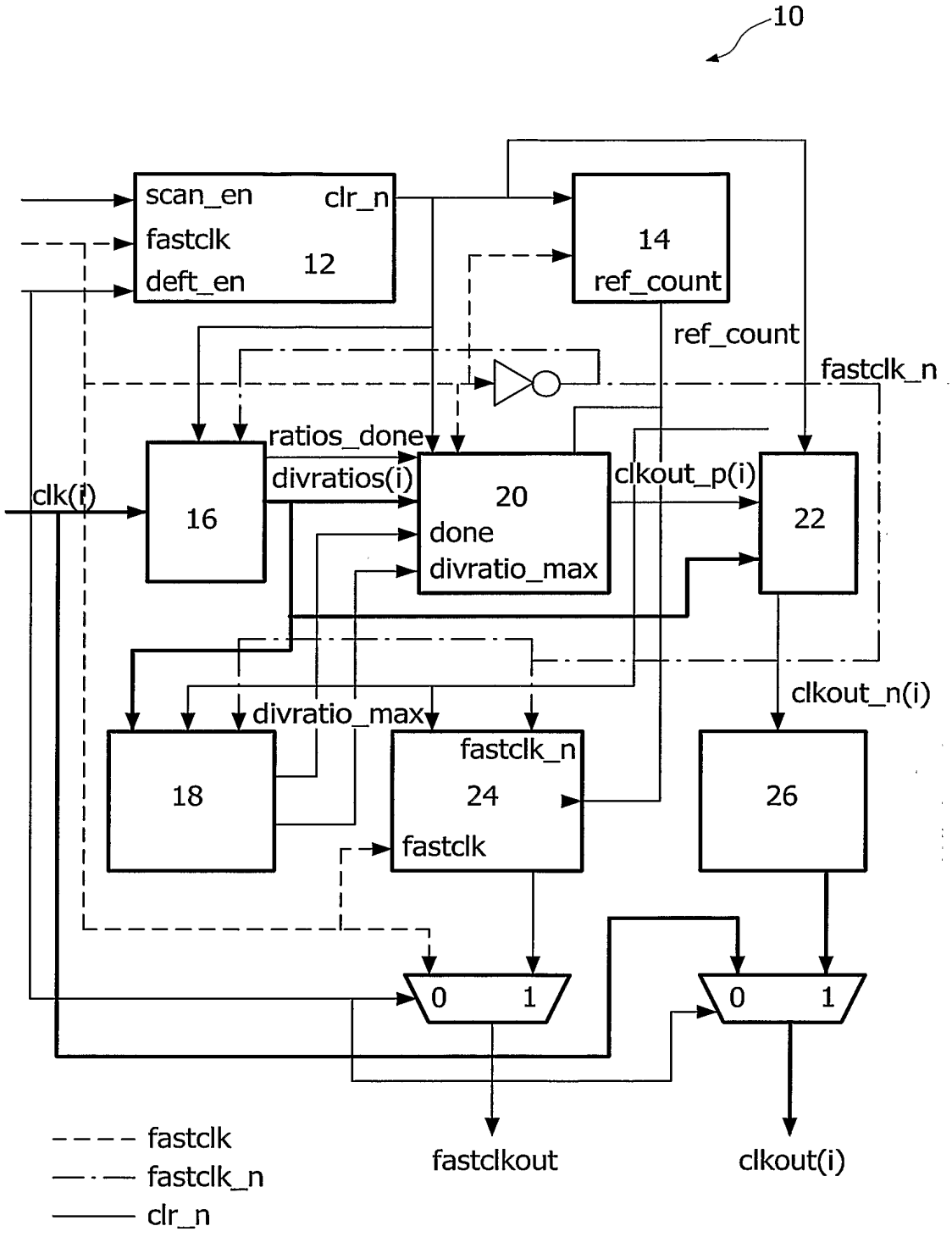
10
scan_en
clr_n
fastclk
deft_en
12
14
ref_count
ref_count
fastclk_n
ratios_done
divratios(i)
clk(i)
16
20
done
divratio_max
clkout_p(i)
22
clkout_n(i)
divratio_max
18
fastclk_n
24
fastclk
26
0
1
0
1
fastclk
fastclk_n
clr_n
fastclkout
clkout(i)

FIG.3

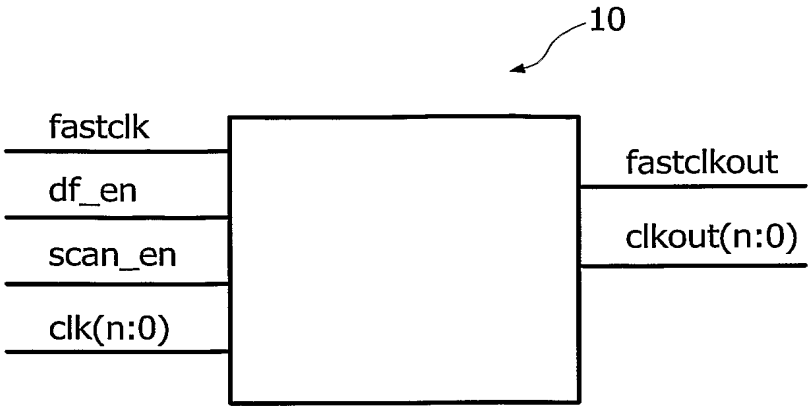
10
fastclk
df_en
scan_en
clk(n:0)
fastclkout
clkout(n:0)

FIG.2

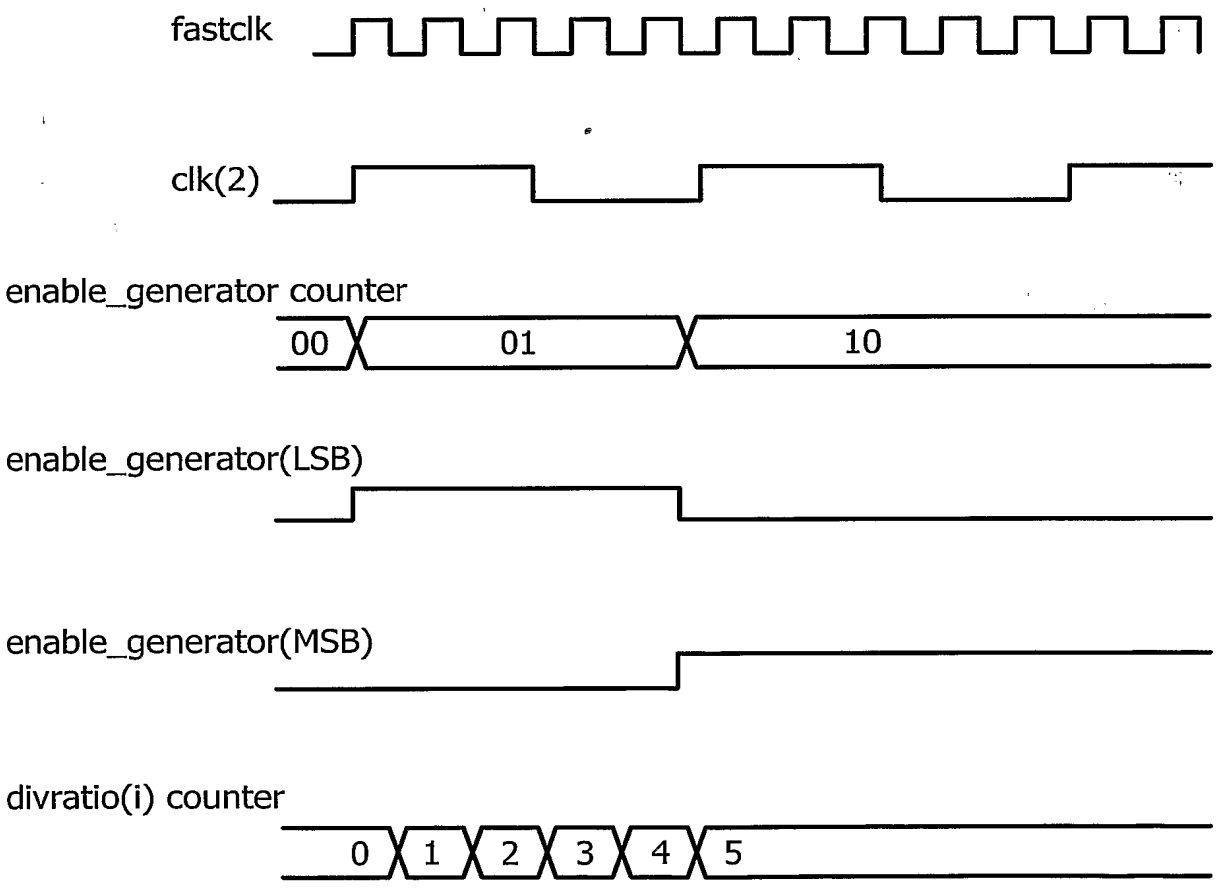
fastclk
clk(2)
enable_generator counter
00
01
10
enable_generator(LSB)
enable_generator(MSB)
divratio(i) counter
0
1
2
3
4
5

FIG.4

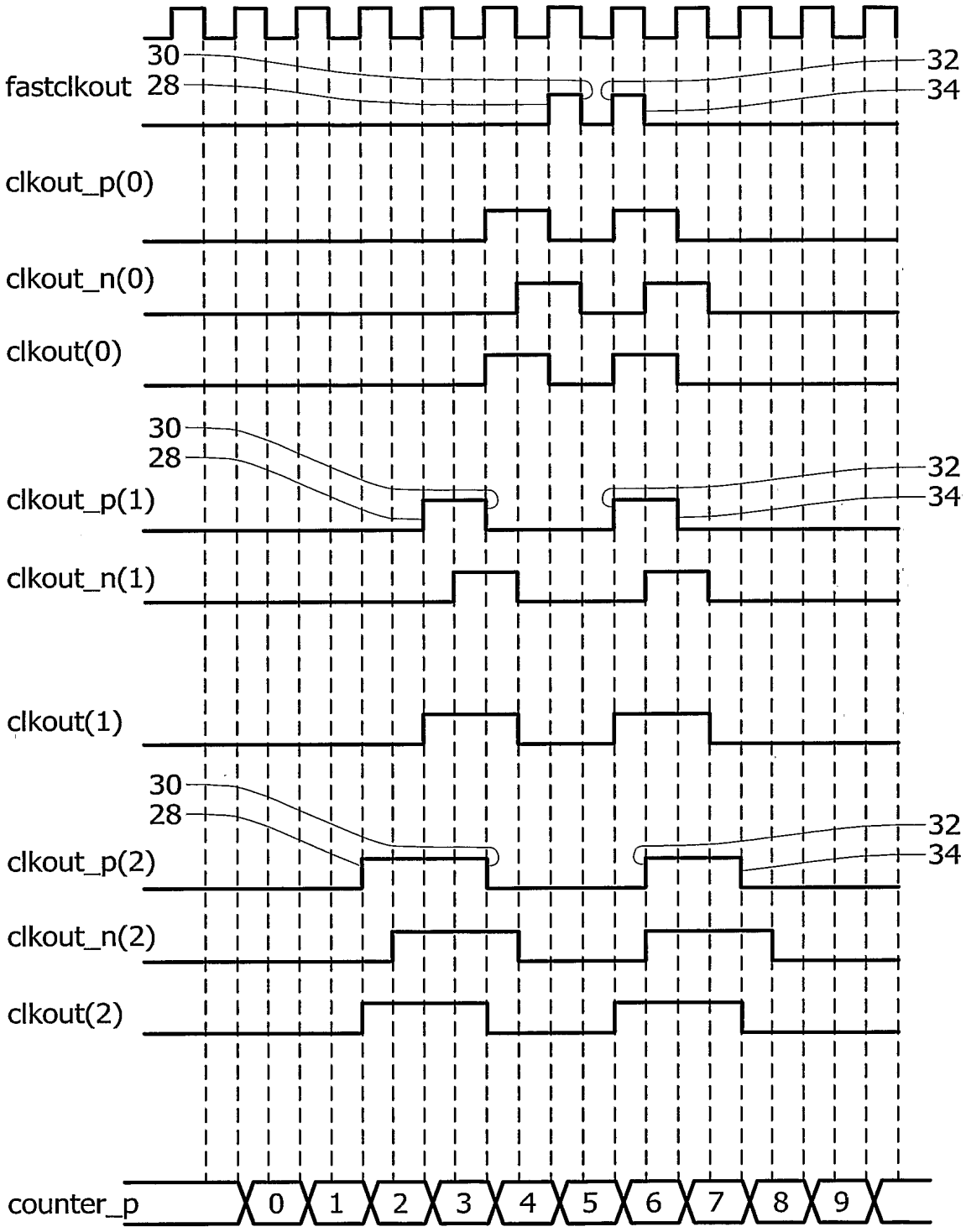
30
28
fastclkout
32
34
clkout_p(0)
clkout_n(0)
clkout(0)
30
28
clkout_p(1)
32
34
clkout_n(1)
clkout(1)
30
28
clkout_p(2)
32
34
clkout_n(2)
clkout(2)
counter_p
0
1
2
3
4
5
6
7
8
9

FIG.5